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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/763,582	02/22/2001	Eiji Okamoto	9319S-000178	9306

09/763,582

09/10/2003

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7590

EXAMINER QI, ZHI QIANG

PAPER NUMBER ART UNIT

2871

DATE MAILED: 09/10/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

•	Application No.	Applicant(s)				
	09/763,582	OKAMOTO ET A	OKAMOTO ET AL.			
Office Action Summary	Examiner		Art Unit			
•	Mike Qi	2871	H			
The MAILING DATE of this communication ap		with the correspondence a	ddress			
Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPL THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1. after SIX (6) MONTHS from the mailing date of this communication. - If the period for reply specified above is less than thirty (30) days, a replection of the period for reply is specified above, the maximum statutory period Failure to reply within the set or extended period for reply will, by stature and patent term adjustment. See 37 CFR 1.704(b). Status		r a reply be timely filed thirty (30) days will be considered tim IONTHS from the mailing date of this ABANDONED (35 U.S.C. § 133).	ely. communication.			
1)⊠ Responsive to communication(s) filed on <u>22</u>	February 2001 .					
, ,	his action is non-final.					
3) Since this application is in condition for allow	vance except for formal n	natters, prosecution as to	the merits is			
closed in accordance with the practice under Disposition of Claims	r Ex parte Quayle, 1935	C.D. 11, 453 O.G. 213.				
4)⊠ Claim(s) <u>1-23</u> is/are pending in the application						
4a) Of the above claim(s) is/are withdra	awn from consideration.					
5) Claim(s) is/are allowed.						
6) Claim(s) is/are rejected.						
7) Claim(s) is/are objected to.						
8) Claim(s) <u>1-23</u> are subject to restriction and/or	election requirement.					
Application Papers						
9) The specification is objected to by the Examin						
10) The drawing(s) filed on is/are: a) according to the drawing a						
Applicant may not request that any objection to t 11) The proposed drawing correction filed on						
If approved, corrected drawings are required in r		disapproved by the Exami	nier.			
12) The oath or declaration is objected to by the E						
Priority under 35 U.S.C. §§ 119 and 120						
13) △ Acknowledgment is made of a claim for foreig	an priority under 35 U.S.(. 8 119(a)-(d) or (f)				
a)⊠ All b)☐ Some * c)☐ None of:	in priority under do die.). g (a) (a) (. (.).				
, , ,	nts have been received.					
	 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 					
3. Copies of the certified copies of the price.			al Stage			
application from the International B * See the attached detailed Office action for a lis	ureau (PCT Rule 17.2(a))).	•			
14) Acknowledgment is made of a claim for domes	tic priority under 35 U.S.	C. § 119(e) (to a provision	al application).			
 a) The translation of the foreign language process. 15) Acknowledgment is made of a claim for domest 						
Attachment(s)	•					
 Notice of References Cited (PTO-892) Notice of Draftsperson's Patent Drawing Review (PTO-948) Information Disclosure Statement(s) (PTO-1449) Paper No(s) 	5) Notice	ew Summary (PTO-413) Paper N of Informal Patent Application (P				

Page 2

Application/Control Number: 09/763,582

Art Unit: 2871

DETAILED ACTION

Election/Restrictions

- 1. Restriction to one of the following inventions is required under 35 U.S.C. 121:
 - Claims 1-15, drawn to a structure of a substrate for a liquid crystal device, classified in class 349, subclass 158.
 - II. Claims 16-23, drawn to a method for fabricating a liquid crystal device and a method for fabricating a substrate for a liquid crystal device, classified in class 349, subclass 187.
- 2. Inventions II and I are related as process of making and product made. The inventions are distinct if either or both of the following can be shown: (1) that the process as claimed can be used to make other and materially different product or (2) that the product as claimed can be made by another and materially different process (MPEP § 806.05(f)). In the instant case the product can be made by another and materially different process. For example, the product can be made by a process wherein the step covering a portion of the liquid crystal layer side surface by a mask that does not need to be employed.
- 3. If Applicant elected Group I above, this application would contain claims directed to the following patentably distinct species of the claimed invention:
 - 1) a) the predetermined mark is an alignment mark [claim 3];
 - b) the predetermined mark is a process control mark [claim 4].

Application/Control Number: 09/763,582

Art Unit: 2871

a) the maximum height Ry is set at 0.2 to 3 μ m, the arithmetic mean roughness Ra is set at 0.02 to 0.3 μ m, the ten-point average roughness Rz is set at 0.1 to 2.5 μ m, and the mean wavelength Sm is set at 4 to 60 μ m [claim 8];

- b) the maximum height Ry is set at 1.5 to 2.0 μ m, the arithmetic mean roughness Ra is set at 0.15 to 0.3 μ m, the ten-point average roughness Rz is set at 1.3 to 1.8 μ m, and the mean wavelength Sm is set at 15 to 25 μ m [claim 9];
- c) the maximum height Ry is set at 0.7 to 1.2 μ m, the arithmetic mean roughness Ra is set at 0.1 to 0.2 μ m, the ten-point average roughness Rz is set at 0.5 to 1.0 μ m, and the mean wavelength Sm is set at 35 to 50 μ m [claim 10];
- d) the maximum height Ry is set at 0.6 to 1.2 μ m, the arithmetic mean roughness Ra is set at 0.05 to 0.15 μ m, the ten-point average roughness Rz is set at 0.5 to 1.0 μ m, and the mean wavelength Sm is set at 15 to 25 μ m [claim 11];
- e) the maximum height Ry is set at 0.4 to 1.0 μ m, the arithmetic mean roughness Ra is set at 0.04 to 0.10 μ m, the ten-point average roughness Rz is set at 0.3 to 0.8 μ m, and the mean wavelength Sm is set at 8 to 15 μ m [claim 12];
- f) the maximum height Ry is set at 0.8 to 1.5 μ m, the arithmetic mean roughness Ra is set at 0.05 to 0.15 μ m, the ten-point average roughness Rz is set at 0.7 to 103 μ m, and the mean wavelength Sm is set at 8 to 15 μ m [claim 13].

Applicant is required under 35 U.S.C. 121 to elect a single "a" or "b" from element 1) and a single one of the "a" to "f" from element 2) disclosed species for prosecution on the merits to which the claims shall be restricted if no generic claim is finally held to be allowable. Currently, claims 1-2 and 5-7 appear to be generic.

Application/Control Number: 09/763,582

Art Unit: 2871

Applicant is advised that a reply to this requirement must include an identification of the species that is elected consonant with this requirement, and a listing of all claims readable thereon, including any claims subsequently added. An argument that a claim is allowable or that all claims are generic is considered nonresponsive unless accompanied by an election.

4. Upon the allowance of a generic claim, applicant will be entitled to consideration of claims to additional species which are written in dependent form or otherwise include all the limitations of an allowed generic claim as provided by 37 CFR 1.141. If claims are added after the election, applicant must indicate which are readable upon the elected species. MPEP § 809.02(a).

Should applicant traverse on the ground that the species are not patentably distinct, applicant should submit evidence or identify such evidence now of record showing the species to be obvious variants or clearly admit on the record that this is the case. In either instance, if the examiner finds one of the inventions unpatentable over the prior art, the evidence or admission may be used in a rejection under 35 U.S.C. 103(a) of the other invention.

Applicant is reminded that upon the cancellation of claims to a non-elected invention, the inventorship must be amended in compliance with 37 CFR 1.48(b) if one or more of the currently named inventors is no longer an inventor of at least one claim remaining in the application. Any amendment of inventorship must be accompanied by a request under 37 CFR 1.48(b) and by the fee required under 37 CFR 1.17(i).

Art Unit: 2871

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Mike Qi whose telephone number is (703) 308-6213.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-0956.

Mike Qi August 27, 2003 SUPER NO. COY CO. 100